



Know the Earth...Show the Way

NGA Small Business Innovation Research Program (SBIR)

**SBIR Program
InnoVision Directorate**

► What's SBIR?

- SBIR is a Government-wide effort to encourage small businesses to explore their technological potential and to provide incentives for commercialization

11 Federal Agencies

Approx. \$2 Billion Government-wide

Multiple solicitation closing dates

► Department of Defense SBIR Sponsors

- 9 Component SBIR Programs within DoD

Air Force DARPA

Army OSD/DDR&E

Navy DTRA

Missile Defense Agency SOCOM

National Geospatial-Intelligence Agency

<http://www.acq.osd.mil/sadbu/sbir>

Department of Defense 2005 SBIR Solicitation Schedule

	PRE	OPENS	CLOSES
20XX.1*	Nov	Dec	Jan
20XX.2	May	Jun	Jul
20XX.3	Aug	Sep	Oct

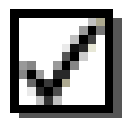
* NGA participates in 20xx.1 solicitation only

<http://www.acq.osd.mil/sadbu/sbir>

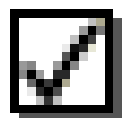
► SBIR Program Eligibility



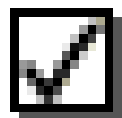
Organized for-profit U.S. business



At least 51% U.S.-owned by
individuals and independently
operated



Small Business located in the U.S.



500 or fewer employees



Principal Investigator's primary
employment with small business
during project

► SBIR Program at NGA

- Serves as a component of NGA's basic and applied research efforts
- Addresses the most pressing needs of the NGA basic research programs by providing a needs-based assessment of proposed research topics
- Supports research efforts that have the potential to lead to revolutionary improvements in NGA's business

► NGA Research Areas

- **Geodesy & Geophysics** - Accurately measuring and modeling the shape and size of the Earth and its gravity field to precisely determine the position and velocity of points or objects at the surface or orbiting the planet, within a terrestrial reference system.
- **Advance Geoprocessing** - Subset of IT that addresses enabling architectures and capabilities for geospatial/image computation, the application of higher-order digital processing techniques for the analysis of remotely sensed imagery, and the creation, manipulation and portrayal of geospatial info/knowledge.
- **Remote Sensing** - Acquisition/measurement of data/info on some property(ies) of a phenomenon, object, or material by a recording device not in physical, intimate contact with the feature(s) under surveillance.
- **GeoInt Analytics** - Enhancing geospatial analysis through the development of advanced analyst tools, utilizing principals of Human Systems Effectiveness, neuroscience, and visualization technology, and enabling research directed toward customers and basic applied research needs.

► NGA SBIR Phase Information

- **Phase I Contract**
 - 9 months base (\$100K)
 - Proof of concept delivered
- **Phase II Contract**
 - Proposal invitation based on Phase I performance
 - 1st year base (\$250K)
 - 2nd year option (\$250K)
 - 2 years max (\$500K)
 - Prototype delivered
- **Phase III**
 - Commercialization
 - Possible follow-on

SBIR Funding

No
SBIR Funding

► NGA SBIR Topics

- FY06.1 topic: **Modularized Transliteration Engine**
- FY05.1 topic: **Advanced Geospatial Computing**
- FY04.1 topic: **Imagery Science/Visualization Related Applications**
- FY03.1 topic: **SAR Tomography for Target/Feature Detection in Foliated Regions**
- FY02.1 topic: **Imagery Exploitation Applications of Neuroscience and Innovative Technology for Generating Digital Terrain Elevation Data Level 2 (DTED®-2) Above 60 degrees N.**

► Participating in SBIR

- Know your NGA customer
 - Check web pages
 - Use pre-solicitation to start homework
- Read solicitation closely – don't guess
- Focus on the technology and innovation
- Don't try to work around the rules

► More Information on NGA

- <http://www.nga.mil>
- **NGA's SBIR Program Manager**
 - SBIR@nga.mil
- **NGA's SBIR Program on the web at**
 - <http://www.nga.mil/sbir>
- **NGA's SBIR Topics on the web at**
 - DoD's SBIR Web Site: <http://www.dodsbir.net>
- **NGA's Small and Disadvantaged Business Utilization (SADBU) Officer**
 - SmallBusiness@nga.mil

Thank You!

NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY

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